

Docket N . 51163  
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## Declaration and Power of Attorney for Patent Application English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**OPAQUE LOW RESISTIVITY SILICON CARBIDE**

the specification of which

(check one)

- ☒ corresponds to and claims priority of U.S. Provisional Application Serial No. 60/324,184, filed September 22, 2001.
- ☐ was filed on \_\_\_\_\_ as United States Application No. or PCT Application No. \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability, as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>

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I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

60/324,184  
(Application Serial No.)

September 22, 2001  
(Filing Date)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

I hereby claim the benefit under 35 U.S.C. Section 120 of the United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark office all information known to me to be material to patentability as defined in Title 37, C.F.C., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

<u>                    </u> (Application Serial No.)	<u>                    </u> (Filing Date)	<u>                    </u> (Status) (patented, pending, abandoned)
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<u>                    </u> (Application Serial No.)	<u>                    </u> (Filing Date)	<u>                    </u> (Status) (patented, pending, abandoned)
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<u>                    </u> (Application Serial No.)	<u>                    </u> (Filing Date)	<u>                    </u> (Status) (patented, pending, abandoned)
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

David G. Conlin	Reg. No. 27,026	Christine C. O'Day	Reg. No. 38,256
George W. Neuner	Reg. No. 26,984	Robert L. Buchanan	Reg. No. 40,927
Linda M. Buckdey	Reg. No. 31,003	David E. Tucker	Reg. No. 27,840
Peter J. Manus	Reg. No. 26,766	Lisa Swiszc Hazzard	Reg. No. 44,368
Peter F. Corless	Reg. No. 33,880	George W. Hartnell	Reg. No. 42,639
Cara Z. Lowen	Reg. No. 38,227	Kathleen Carr	Reg. No. 41,658
William J. Daley, Jr.	Reg. No. 35,487	Stewart L. Gitler	Reg. No. 31,256
Steven M. Jensen	Reg. No. 42,693	Kathryn A. Piffat	Reg. No. 34,901
John B. Alexander	Reg. No. 48,399		

S. Matthew Cairns	Reg. No. 42,378
John J. Piskorski	Reg. No. 35,847
Darryl P. Frickey	Reg. No. 34,603

Send Correspondence to:

John J. Piskorski  
c/o EDWARDS & ANGELL, LLP  
Dike, Bronstein, Roberts & Cushman, IP Group  
P.O. Box 9169  
Boston, Massachusetts 02209, U.S.A.

Direct Telephone Calls to:  
(name and telephone number)

John J. Piskorski  
Telephone: (508) 228-7545  
Facsimile: (508) 228-0254

Full name of first inventor	
Michael A. PICKERING	
Second inventor's signature	
First	Date:
Michael A. Pickering	Oct. 24, 2001
Residence	
145 Lafond Lane, Dracut, Massachusetts 01826, U.S.A.	
Citizenship	
U.S.A.	
Post Office Address	
Same As Above	

Full name of the second inventor	
Jitendra S. GOELA	
Signature of first inventor's signature	
Second	Date:
Jitendra S. Goela	Oct 24, 2001
Residence	
12 Messina Drive, Andover, Massachusetts 01810, U.S.A.	
Citizenship	
U.S.A.	
Post Office Address	
Same As Above	



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

FEBRUARY 01, 2002

PTAS  
KIKE, BRONSTEIN, ROBERTS, ET AL  
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Chief Financial Officer and Chief Administrative Officer  
Washington, DC 20231  
www.uspto.gov



\*101914079A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/24/2001

REEL/FRAME: 012352/0794  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

PICKERING, MICHAEL A.

DOC DATE: 10/24/2001

ASSIGNOR:

GOELA, JITENDRA S.

DOC DATE: 10/24/2001

ASSIGNEE:

SHIPLEY COMPANY, L.L.C.  
455 FOREST STREET  
MARLBOROUGH, MASSACHUSETTS 01752

SERIAL NUMBER: 10000975  
PATENT NUMBER:

FILING DATE: 10/24/2001  
ISSUE DATE:

PEARLENE FOSTER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

**PATENTS ONLY**

Docket No. 51162

12-12-2001

IMMERCE  
Mark Office



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101914079

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Michael A. PICKERING  
Jitendra S. GOELA**

10-24-01

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Shipley Company, L.L.C.

Address: 455 Forest Street

10/24/01 U.S. PTO  
10/000975

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

City: Marlborough

State/Prov.: MA

Country: U.S.A.

ZIP: 01752

Execution Date: October 24, 2001

Additional name(s) & address(es)

☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: 10/24/01

Patent Application No.

Filing date

10/000975

B. Patent No.(s)

12/07/2001 MWOLDER1 00000056 10000975

04 FC:581

40.00 DP

Additional numbers

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Peter F. Corless

Registration No. 33,860

Address: EDWARDS & ANGELL, LLP

Dike, Bronstein, Roberts & Cushman, IP Group

P.O. Box 9169

City: Boston

State/Prov.: MA

Country: U.S.A.

ZIP: 02209

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☐ Authorized to be charged to deposit account

8. Deposit account number:

04-1105

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

S. Matthew Cairns

Name of Person Signing

Signature

October 24, 2001

Date

Total number of pages including cover sheet, attachments, and

3

Attorney Docket No. 51163

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ASSIGNMENT

WHEREAS, I, Michael A. PICKERING of Dracut, Massachusetts and I, Jitendra S. GOELA of Andover, Massachusetts, (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in "OPAQUE LOW RESISTIVITY SILICON CARBIDE", for which an application for United States Letters Patent with the same title shall be filed herewith receiving Serial No. \_\_\_\_\_, and a filing date of \_\_\_\_\_, and which application corresponds to and claims priority of U.S. Provisional Application Serial No. 60/324,184, filed September 22, 2001; and

WHEREAS, Shipley Company, L.L.C., located at 455 Forest Street, Marlborough, Massachusetts 01752, (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the same invention, and in and to the said application, and any Letters Patent that may issue thereon;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for the above consideration, the Assignors have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest for the United States in and to the said invention and in and to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, and all applications claiming priority therefrom; and the Assignors hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as their interest is concerned, to the Assignee; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

The Assignors also have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest in and to the invention disclosed in said application, in all countries of the world foreign to the United States, including the right to file applications and obtain patents for said invention in its own name in said countries and including all rights of priority in said countries under the terms of any applicable international convention; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

The Assignors further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agree, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce patent protection for said invention in all countries.

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The Assignors also hereby grant the law firm of EDWARDS & ANGELL, LLP, Dike, Bronstein, Roberts & Cushman, IP Group, the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, the Assignors have caused this Assignment to be executed.

Dated this 24 day of October, 2001.

Michael A. Pickering  
Michael A. PICKERING

Dated this 24 day of October, 2001.

Jitendra S. Goela  
Jitendra S. GOELA